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Introduction to Swift UI



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What this session covers?

- What is Swift UI?
- When to use Swift UI?
- Some frequently asked questions on Swift UI
- Demo



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Some words of wisdom



“

*A good UI with an ugly
unstructured codebase is an
insult to the UI and to the
project.*



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1.

What is Swift UI?

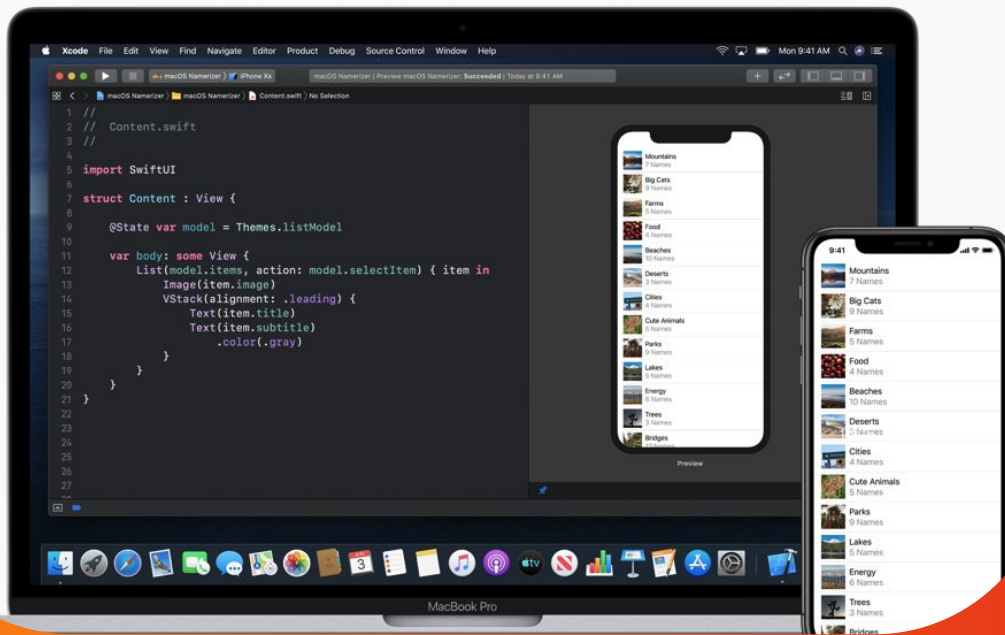
SwiftUI

Better apps. Less code.

SwiftUI is an innovative, exceptionally simple way to build user interfaces across all Apple platforms with the power of Swift. Build user interfaces for any Apple device using just one set of tools and APIs. With a declarative Swift syntax that's easy to read and natural to write, SwiftUI works seamlessly with new Xcode design tools to keep your code and design perfectly in sync. Automatic support for Dynamic Type, Dark Mode, localization, and accessibility means your first line of SwiftUI code is already the most powerful UI code you've ever written.



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Native on All Apple Platforms

SwiftUI was built on decades of experience in creating the most innovative and intuitive user interfaces in the world. Everything users love about Apple ecosystems, such as controls and platform-specific experiences, is beautifully presented in your code. SwiftUI is truly native, so your apps directly access the proven technologies of each platform with a small amount of code and an interactive design canvas.





What is Swift UI

- The old way of making UI in iOS was more instruction basis. (**imperative**).
- Every control has a IBAction and IBOutlet to manage state and events.
- With Swift UI the interface can be more smart (**declarative**).
- We can add rules on the controls and Swift UI makes sure those rules are followed.



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2.

When to use Swift UI?



When to use Swift UI

- New projects could still target from iOS 10 to latest iOS version.
- **Swift UI is available from iOS 13 onwards.**
- Project UI build in storyboards and xib would still need maintenance.
- Don't learn swift UI by using them in client projects.



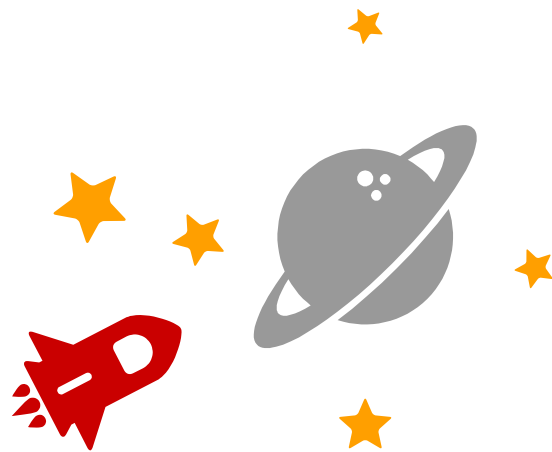
Some other FAQs

- Are there any restrictions on using Swift UI?
- Do I have to use swift UI for all my projects from now?
- What If I want to use swift UI for an existing app?
- So this means no XIB or Storyboards?



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Swift UI Demo





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Thanks!

Any questions?

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